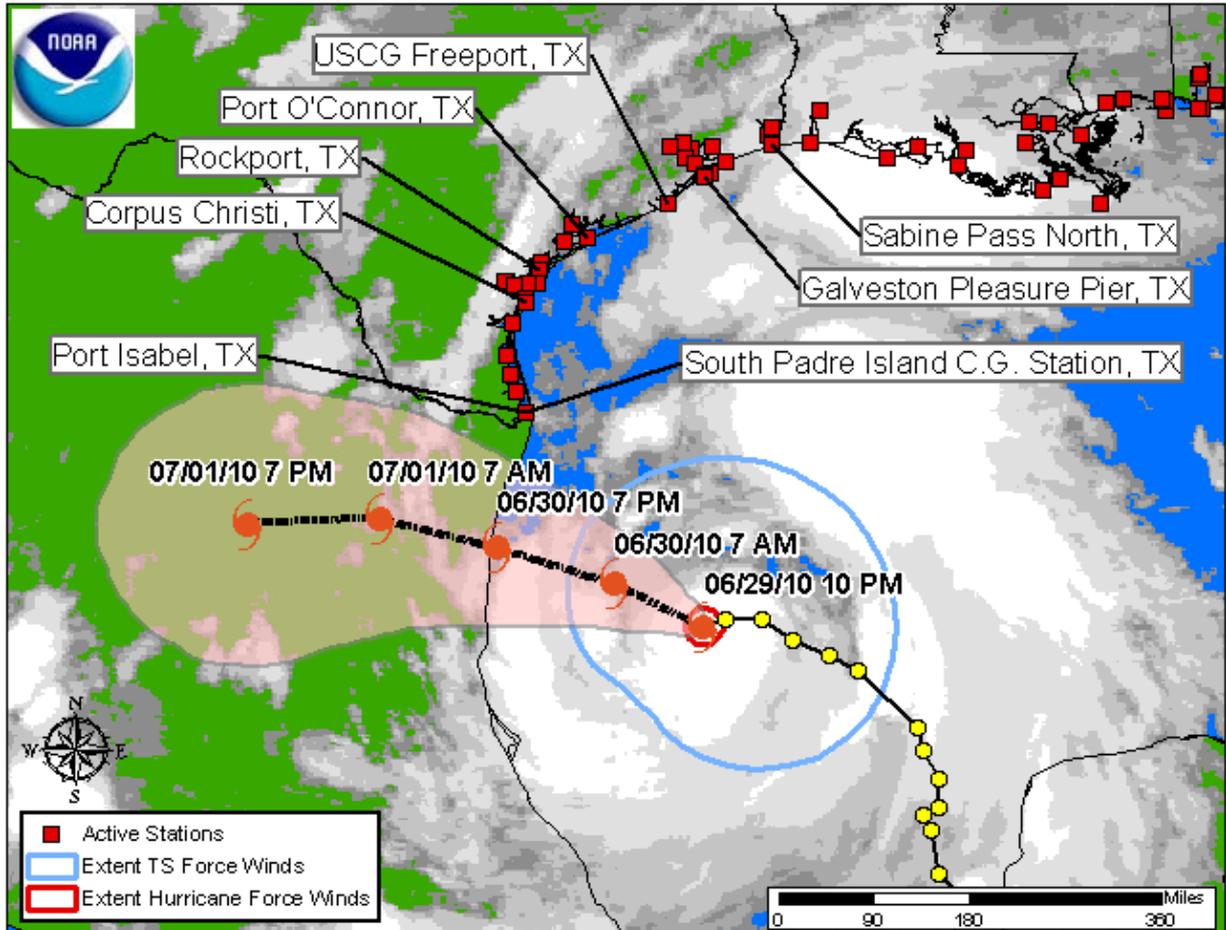




Hurricane ALEX QuickLook
Posted: 23:00 CDT 06/29/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/29/2010 2300 CDT, water levels along the Texas coast are increasing and range between 0.7 and 2.0 feet above predicted. Winds are also increasing, with gusts between 20-30 kts being recorded. Barometric pressure continues to steadily drop.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.09 ft (0.33 m) at 06/30/2010 09:20 CDT and 1.00 ft (0.31 m) at 07/01/2010 09:09 CDT.

South Padre Island C.G. Station, TX: Next predicted high tides are 0.91 ft (0.28 m) at 06/30/2010 09:06 CDT and 0.84 ft (0.26 m) at 07/01/2010 08:58 CDT.

Corpus Christi, TX: Next predicted high tides are 1.32 ft (0.40 m) at 06/30/2010 07:51 CDT and 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT.

Rockport, TX: Next predicted high tides are 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT and 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT.

Port O'Connor, TX: Next predicted high tides are 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT and 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT.

Freeport, TX: Next predicted high tides are 1.52 ft (0.46 m) at 06/30/2010 07:52 CDT and 1.41 ft (0.43 m) at 07/01/2010 08:10 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.85 ft (0.56 m) at 06/30/2010 07:47 CDT and 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT

Sabine Pass North, TX: Next predicted high tides are 1.46 ft (0.44 m) at 06/30/2010 08:01 CDT and 1.12 ft (0.34 m) at 06/30/2010 16:57 CDT

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

**HURRICANE ALEX ADVISORY NUMBER 18
1000 PM CDT TUE JUN 29 2010**

...ALEX BECOMES THE FIRST HURRICANE OF THE 2010 SEASON AND THE FIRST JUNE ATLANTIC HURRICANE SINCE 1995...

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

*** THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE**

A TROPICAL STORM WARNING IS IN EFFECT FOR...

*** THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR**

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF HURRICANE ALEX WAS LOCATED ABOUT 255 MI SE OF

BROWNSVILLE TEXAS. ALEX HAS MOVED MOSTLY WESTWARD NEAR 9 MPH OVER THE PAST FEW HOURS BUT A GENERAL WEST-NORTHWESTWARD MOTION IS EXPECTED OVER THE NEXT 24 TO 48 HOURS. ON THE FORECAST TRACK THE CENTER OF ALEX WILL APPROACH THE COAST OF NORTHEASTERN MEXICO OR SOUTHERN TEXAS ON WEDNESDAY AND MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE WEDNESDAY OR WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 75 MPH WITH HIGHER GUSTS. ALEX IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. ADDITIONAL STRENGTHENING IS FORECAST PRIOR TO LANDFALL. ALEX WILL BEGIN TO WEAKEN AFTER ITS CENTER CROSSES THE COASTLINE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER PLANE WAS 973 MB.

HAZARDS AFFECTING LAND

RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES... ESPECIALLY IN MOUNTAINOUS TERRAIN. RAINBANDS ASSOCIATED WITH ALEX ARE SPREADING ONSHORE IN NORTHEASTERN MEXICO AND SOUTHERN TEXAS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE AND TROPICAL STORM WARNING AREAS BEGINNING LATE TONIGHT OR EARLY WEDNESDAY MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE WATER MOVES INLAND. NEAR THE COAST THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

FORECASTER PASCH/BERG

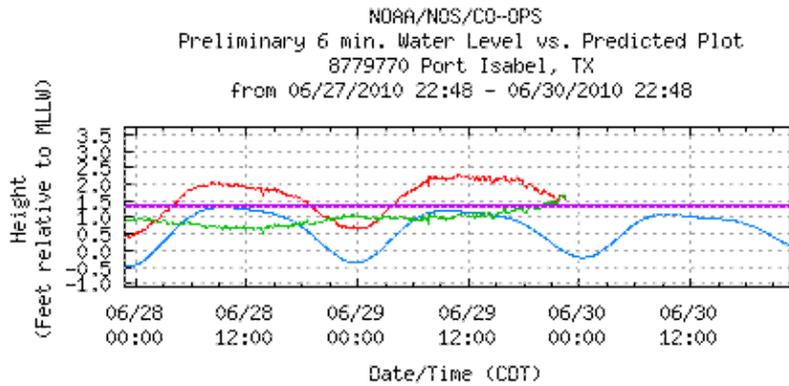
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#), [Rockport - Air/Water Temp](#), [Port O'Connor - Water Level](#), [Galveston Pleasure Pier - Water Level](#), [Galveston Pleasure](#)

Hurricane ALEX QuickLook, POSTED 23:00 CDT 06/29/2010

Pier - Winds, Galveston Pleasure Pier - Barometric, Galveston Pleasure Pier - Air/Water Temp, Sabine Pass North - Water Level, Sabine Pass North - Winds, Sabine Pass North - Barometric, Sabine Pass North - Air/Water Temp.

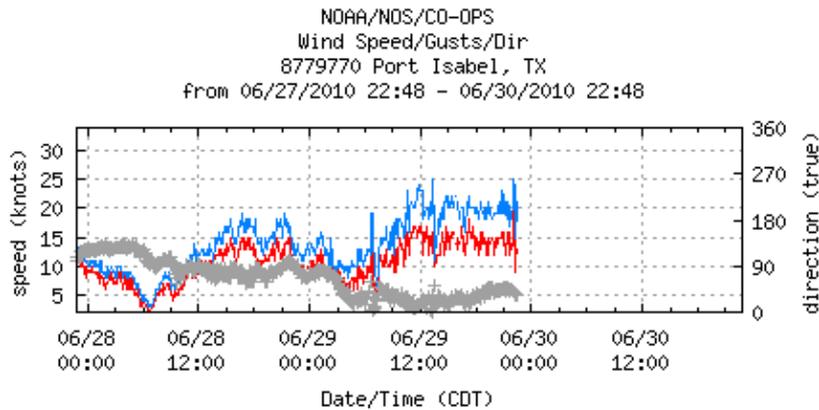
Port Isabel, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/29/2010 22:30 (CDT)
 Relative to **MLLW**: **Observed: 1.53 ft. Predicted: -0.06 ft. Residual: 1.59 ft.**
 Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

Port Isabel, TX - [Return to List](#)

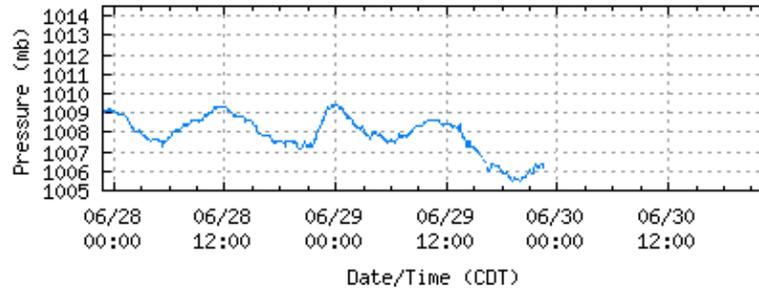


speed ——— gusts ——— direction +

Last Observed Sample: 06/29/2010 22:30 (CDT)
Wind Speed: 13 knots Gusts: 21 knots Direction: 035° T

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8779770 Port Isabel, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



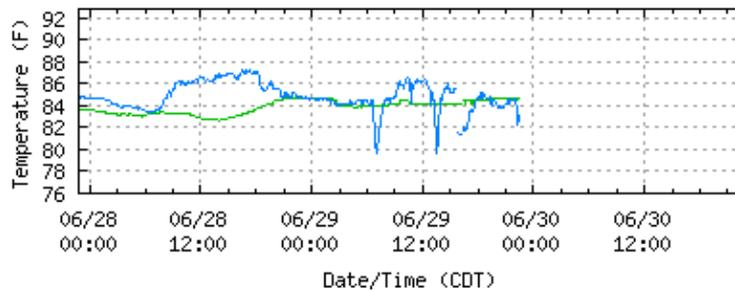
barometric pressure —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Barometric Pressure: 1006.4 mb

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8779770 Port Isabel, TX
from 06/27/2010 22:48 - 06/30/2010 22:48

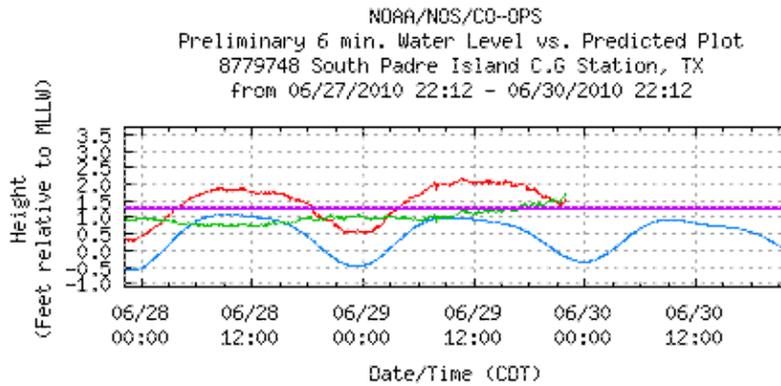


water temp. — air temp —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Water Temperature: 84.6° F Air Temperature: 83.1° F

South Padre Island C.G Station, TX - [Return to List](#)

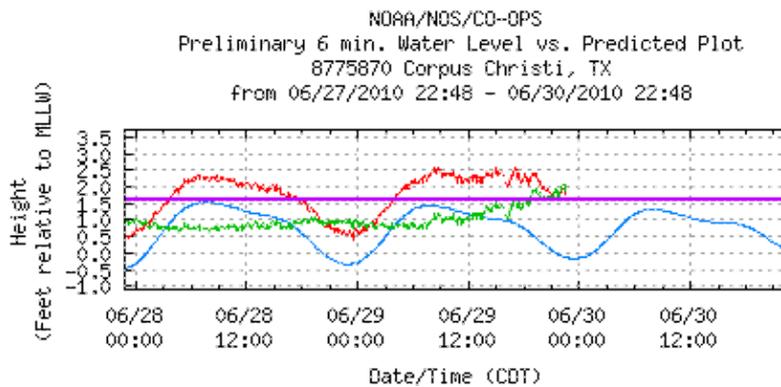


Last Observed Sample: 06/29/2010 21:54 (CDT)

Relative to **MLLW**: **Observed: 1.52 ft. Predicted: -0.20 ft. Residual: 1.72 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)



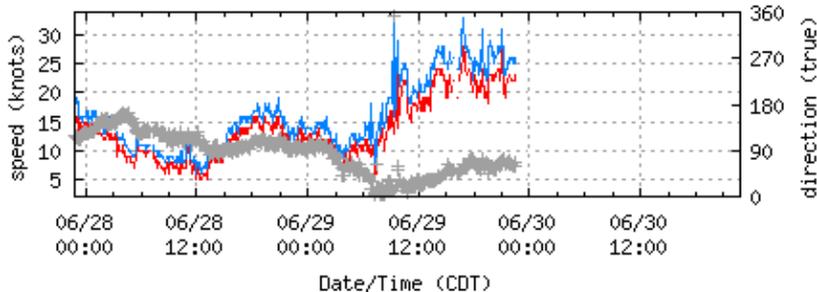
Last Observed Sample: 06/29/2010 22:30 (CDT)

Relative to **MLLW**: **Observed: 1.76 ft. Predicted: -0.13 ft. Residual: 1.89 ft.**

Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



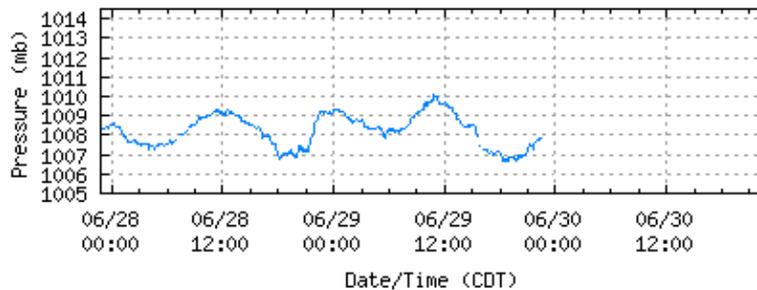
speed — gusts — direction +

Last Observed Sample: 06/29/2010 22:30 (CDT)

Wind Speed: 23 knots Gusts: 26 knots Direction: 059° T

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8775870 Corpus Christi, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



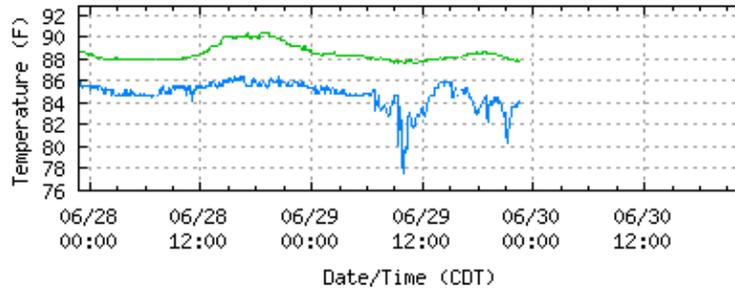
barometric pressure —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Barometric Pressure: 1007.8 mb

Corpus Christi, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8775870 Corpus Christi, TX
 from 06/27/2010 22:48 - 06/30/2010 22:48



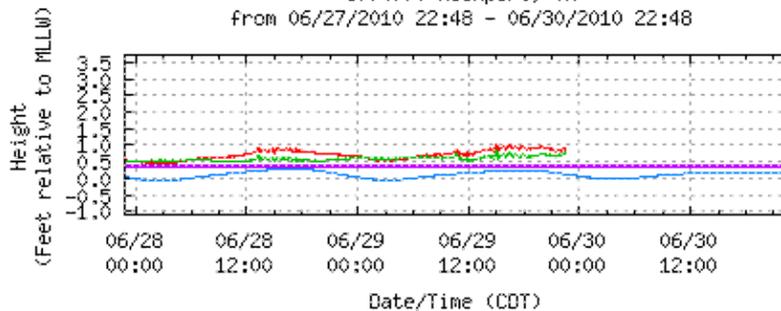
water temp. — air temp —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Water Temperature: 87.8° F Air Temperature: 84.2° F

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8774770 Rockport, TX
 from 06/27/2010 22:48 - 06/30/2010 22:48



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

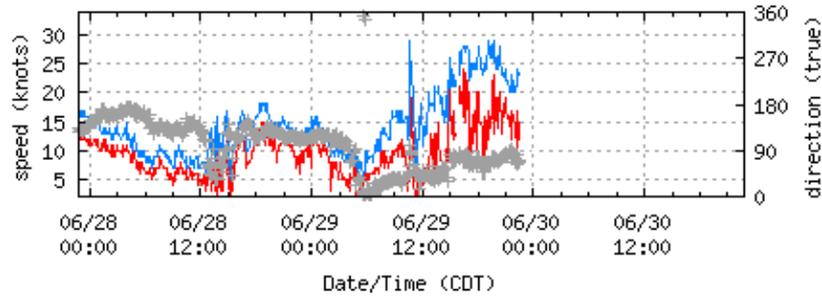
Last Observed Sample: 06/29/2010 22:30 (CDT)

Relative to **MLLW**: Observed: 0.90 ft. Predicted: 0.12 ft. Residual: 0.78 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8774770 Rockport, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



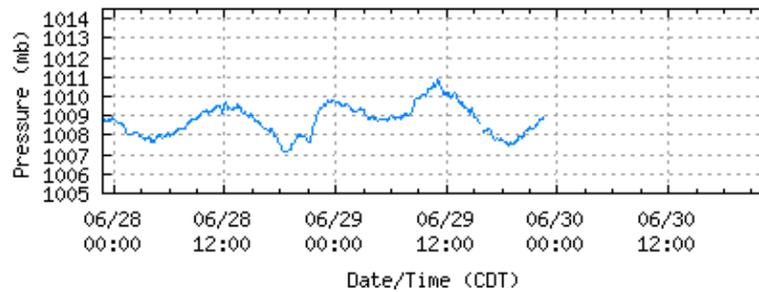
speed — gusts — direction +

Last Observed Sample: 06/29/2010 22:30 (CDT)

Wind Speed: 15 knots Gusts: 23 knots Direction: 072° T

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8774770 Rockport, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



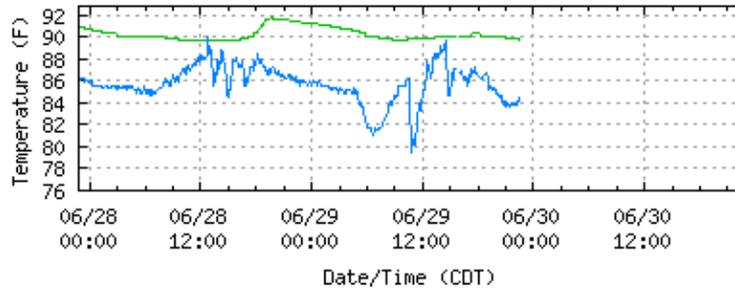
barometric pressure —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Barometric Pressure: 1008.9 mb

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8774770 Rockport, TX
 from 06/27/2010 22:48 - 06/30/2010 22:48



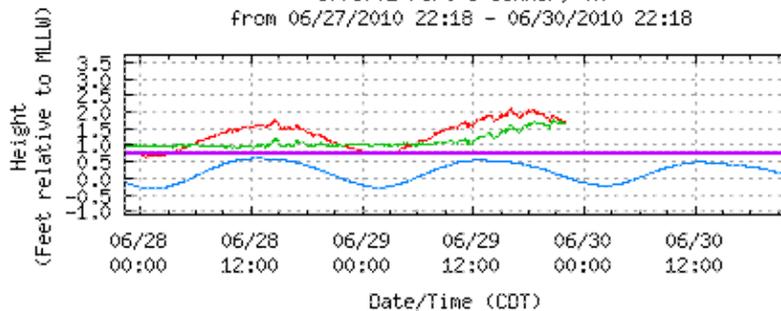
water temp. — air temp —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Water Temperature: 89.6° F Air Temperature: 84.2° F

Port O'Connor, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8773701 Port O'Connor, TX
 from 06/27/2010 22:18 - 06/30/2010 22:18



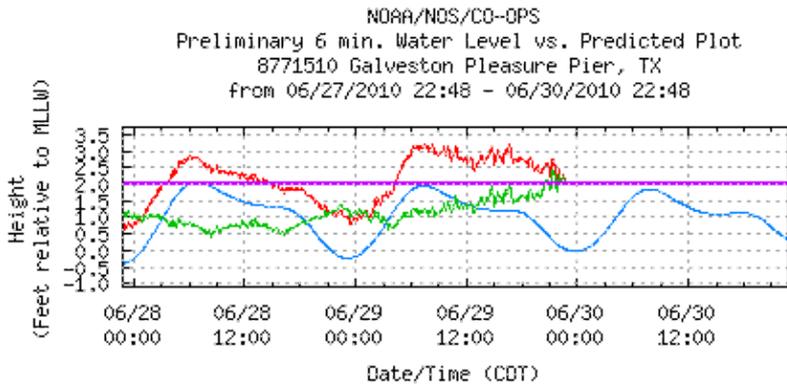
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/29/2010 22:00 (CDT)

Relative to **MLLW**: Observed: 1.70 ft. Predicted: 0.03 ft. Residual: 1.67 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

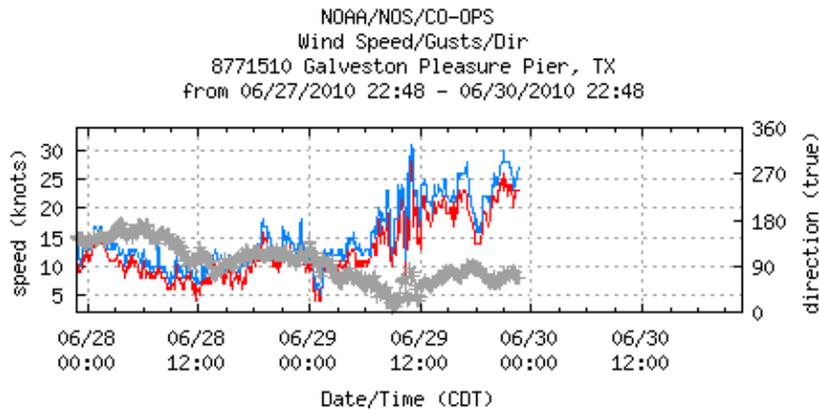
Galveston Pleasure Pier, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/29/2010 22:36 (CDT)
 Relative to **MLLW**: **Observed: 2.05 ft. Predicted: 0.05 ft. Residual: 2.00 ft.**
 Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)

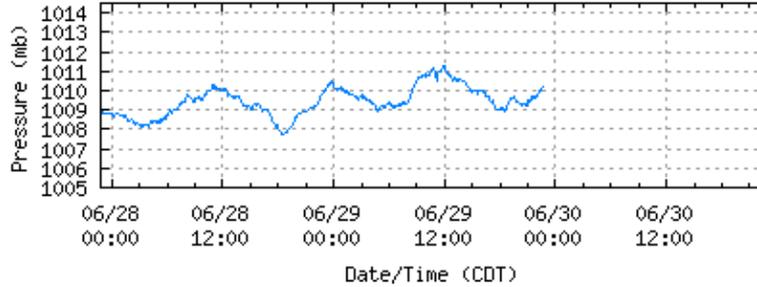


speed ——— gusts ——— direction +

Last Observed Sample: 06/29/2010 22:36 (CDT)
Wind Speed: 23 knots Gusts: 27 knots Direction: 066° T

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8771510 Galveston Pleasure Pier, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



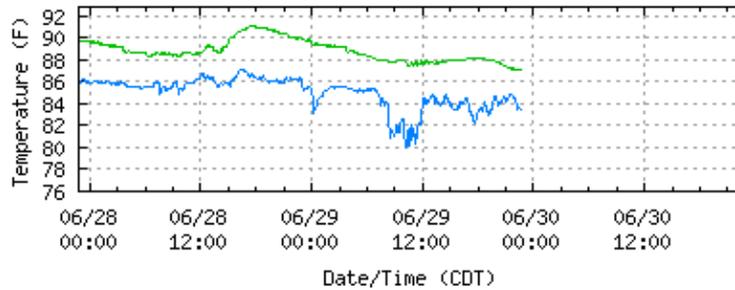
barometric pressure —

Last Observed Sample: 06/29/2010 22:36 (CDT)

Barometric Pressure: 1010.2 mb

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8771510 Galveston Pleasure Pier, TX
from 06/27/2010 22:48 - 06/30/2010 22:48

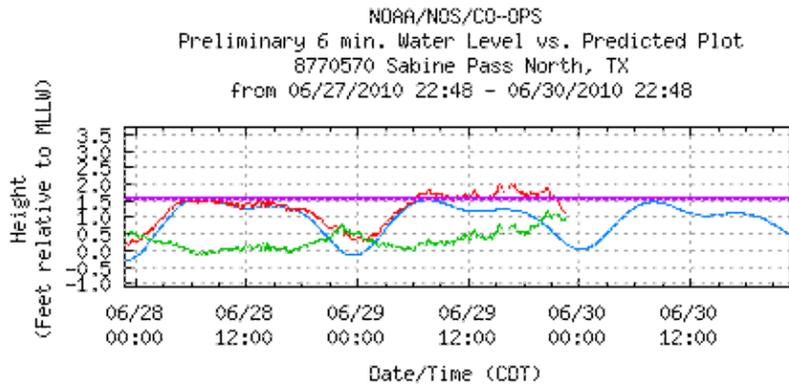


water temp. — air temp —

Last Observed Sample: 06/29/2010 22:36 (CDT)

Water Temperature: 87.1° F Air Temperature: 83.5° F

Sabine Pass North, TX - [Return to List](#)



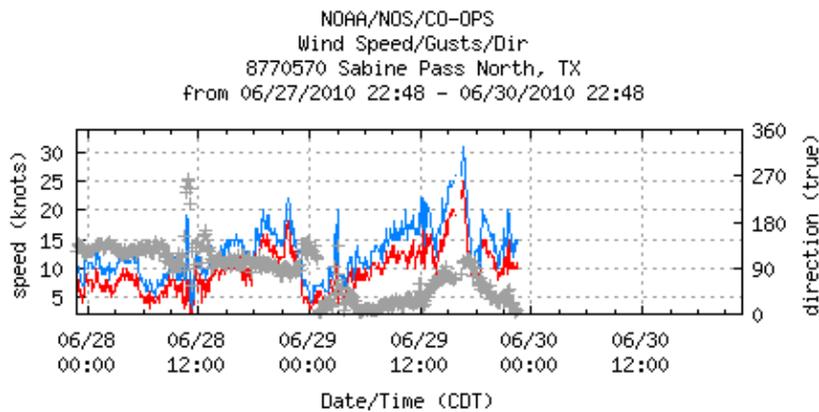
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/29/2010 22:30 (CDT)

Relative to **MLLW**: **Observed: 1.15 ft. Predicted: 0.21 ft. Residual: 0.94 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above **MHHW**

Sabine Pass North, TX - [Return to List](#)



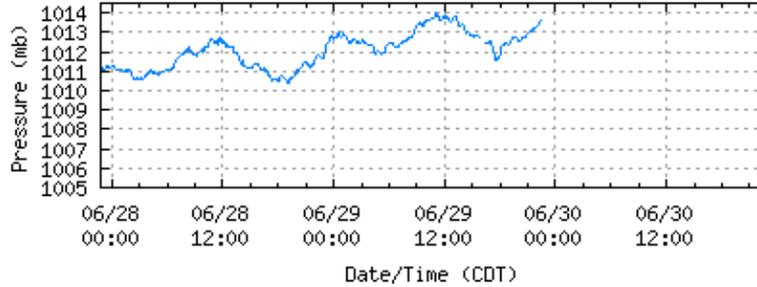
speed ——— gusts ——— direction +

Last Observed Sample: 06/29/2010 22:30 (CDT)

Wind Speed: 11 knots Gusts: 15 knots Direction: 007° T

Sabine Pass North, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8770570 Sabine Pass North, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



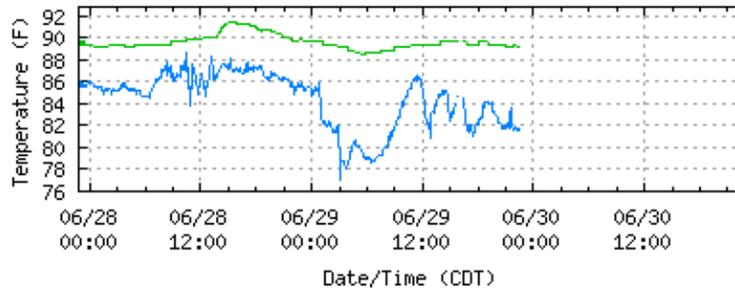
barometric pressure —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Barometric Pressure: 1013.6 mb

Sabine Pass North, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8770570 Sabine Pass North, TX
from 06/27/2010 22:48 - 06/30/2010 22:48



water temp. — air temp —

Last Observed Sample: 06/29/2010 22:30 (CDT)

Water Temperature: 89.2° F Air Temperature: 81.5° F

Hurricane ALEX QuickLook, POSTED 23:00 CDT 06/29/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce